

**AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) ~~Method-A~~ a method of determining ~~the sympathetic-a sympathetic~~ tone including the steps of:

measuring an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-neutral points; ~~[[and]]~~

measuring an applied stimulation at the same threshold value in one or more sympathetic tone-dependent points; ~~and~~

comparing a value of the measured applied stimulation in one of the one or more sympathetic tone-dependent points with a value of the measured applied stimulation in one of the one or more sympathetic tone-neutral points so as to determine the sympathetic tone.

2. (Currently Amended) ~~The method~~ Method according to claim 1, wherein the applied stimulation is provided by ~~means of an~~ applied mechanical stimulation.

3. (Currently Amended) ~~The method~~ Method according to claim 2, wherein the applied mechanical stimulation is provided by ~~means of an~~ applied compressive force.

4. (Currently Amended) ~~The method~~ Method according to claim 1, wherein the applied stimulation is provided by ~~means of an~~ applied thermal stimulation.

5. (Currently Amended) ~~The method~~ Method according to claim 4, wherein the applied thermal stimulation is provided by ~~means of an~~ applied heat or cold source.

6. (Currently Amended) ~~The method~~ Method according to claim 1, wherein the applied stimulation is provided by ~~means of an~~ applied radiation.

7. (Currently Amended) ~~The method~~ Method according to claim 6, wherein the applied radiation is provided by ~~means of an~~ applied infrared, visible and/or ultraviolet light or combined spectra thereof.

8. (Currently Amended) ~~The method~~Method according to claim 1, wherein the applied stimulation is provided by ~~means of an~~ applied chemical stimulation.

9. (Currently Amended) ~~The method~~Method according to claim 8, wherein the applied chemical stimulation is provided by ~~means of an~~ applied organic or inorganic compound.

10. (Currently Amended) ~~The method~~Method according to any one of the preceding claims, wherein the determination is performed by ~~means of a~~ system for measuring the applied stimulation.

11. (Currently Amended) ~~The method~~Method according to ~~any one of the preceding claims~~claim 1, wherein the measuring of an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-neutral points is carried out anteriorly on the upper side of the clavicle and/or posteriorly on the spinal column corresponding to TH 10-11.

12. (Currently Amended) ~~The method~~Method according to ~~any one of the preceding claims~~claim 1, wherein the measuring of an applied stimulation at a threshold value of the stimulation is carried out in one or more sympathetic tone-dependent points at one or more locations on the skin which innervationally correspond to the nerve supply to the heart of the sympathetic nervous system.

13. (Currently Amended) ~~The method~~Method according to ~~any one of the preceding claims~~claim 1, wherein the measuring of an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-dependent points is carried out in one or more of the points: C.V. 17 in the middle of the sternum and/or St 18 between two ribs below the nipple and/or Per 1 between the nipple and the anterior axillary fold and/or on the spinal column corresponding to TH 3-6, where the most sore point of the said points are chosen.

14-43. (Cancelled)

44. (Currently Amended) ~~Use of a method of use of~~ a system for applying and measuring a stimulation for determining ~~the sympathetic~~ a sympathetic tone including the steps of:

measuring an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-neutral points; ~~[[and]]~~

measuring an applied stimulation at the same threshold value of the stimulation in one or more sympathetic tone-dependent points; and

comparing a value of the measured applied stimulation in one of the one or more sympathetic tone-dependent points with a value of the measured applied stimulation in one of the one or more sympathetic tone-neutral points so as to determine the sympathetic tone.

45. (Currently Amended) ~~The method~~Use according to claim 44, wherein the measuring of an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-neutral points is carried out on the upper side of the clavicle and/or on the spinal column corresponding to TH 10-11.

46. (Currently Amended) ~~The method~~Use according to claim 44 or 45, wherein the measuring of an applied stimulation at a threshold value of the stimulation is carried out at one or more points on the skin, said points innervationally corresponding to the nerve supply to the heart from the sympathetic nervous system.

47. (Currently Amended) ~~The method~~Use according to ~~any one of the claims 44-46~~claim 44, wherein the measuring of an applied stimulation at a threshold value of the stimulation in one or more sympathetic tone-dependent points is carried out in one or more of the points: C.V. 17 in the middle of the sternum and/or St 18 between two ribs below the nipple and/or Per 1 between the nipple and the anterior requirement and/or on the spinal column corresponding to TH 3-6, where the most sore point of the said points is chosen.

48. (Cancelled)

49. (New) The method according to claim 1, wherein the threshold value of stimulation is a threshold value at which the stimulation is perceived as pain.

50. (New) The method according to claim 44, wherein the threshold value of stimulation is a threshold value at which the stimulation is perceived as pain.